DBMS LAB ASSIGNMENT 2

P.Goutam

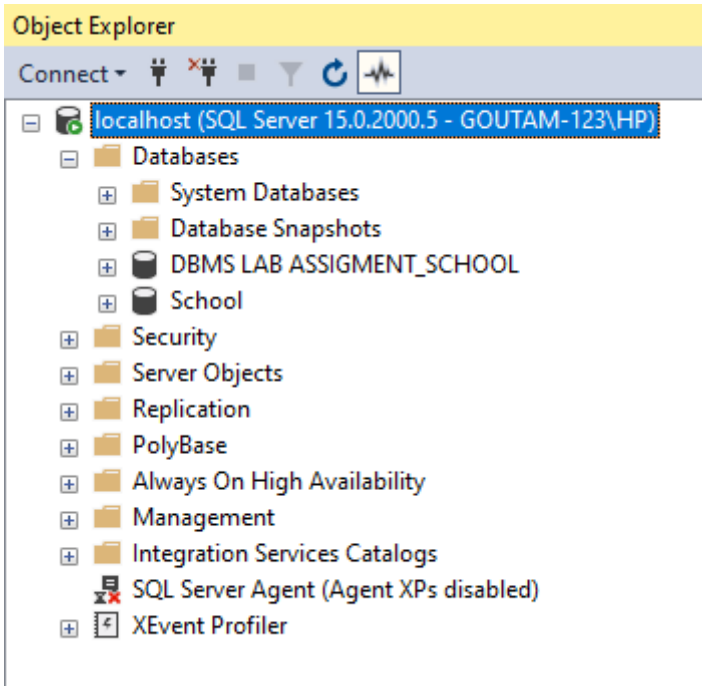
19BCS085

1)show how to create and drop database

Query to create database:

```
CREATE DATABASE School
```

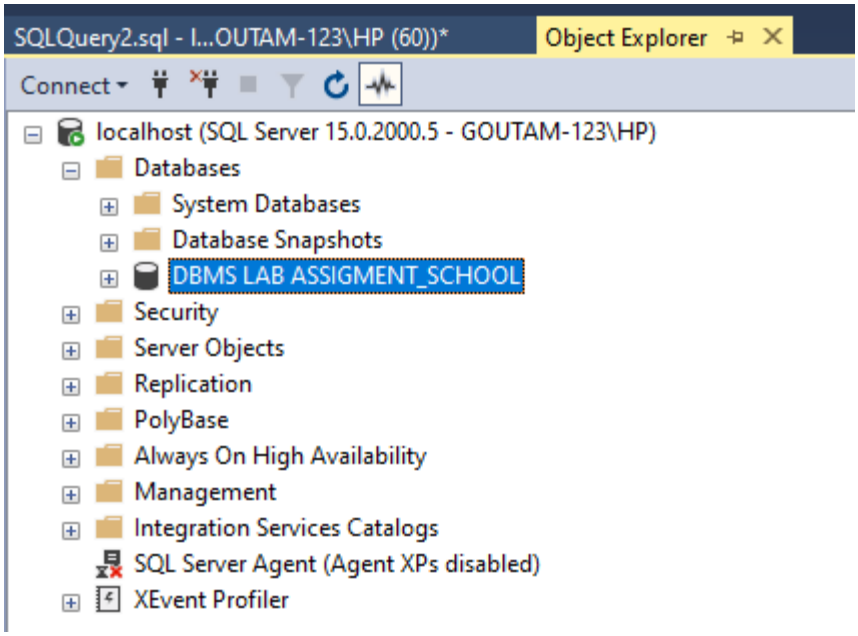
Output:



Query to drop database:

```
DROP DATABASE School;
```

Output: Database deleted



2)Show all the databses that are in the system

Query:

```
USE [DBMS LAB ASSIGMENT_SCHOOL];
GO
SELECT Name AS DatabaseName, database_id AS
ID
FROM sys.databases ;
GO
```

Output:

Results | Messages

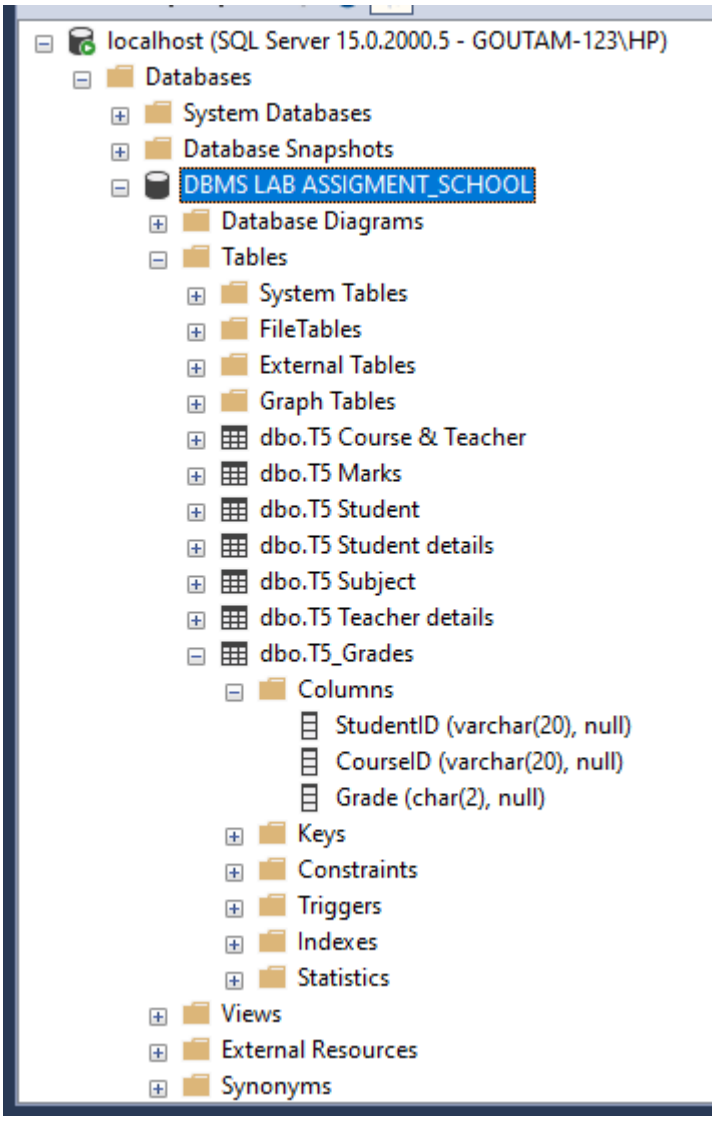
	DatabaseName	ID
1	master	1
2	tempdb	2
3	model	3
4	msdb	4
5	DBMS LAB ASSIGMENT_SCHOOL	5

3)Create a table for your database

Query:

```
USE [DBMS LAB ASSIGMENT_SCHOOL]
CREATE TABLE T5_Grades(
StudentID varchar(20),
CourseID varchar(20),
Grade char(2),
)
```

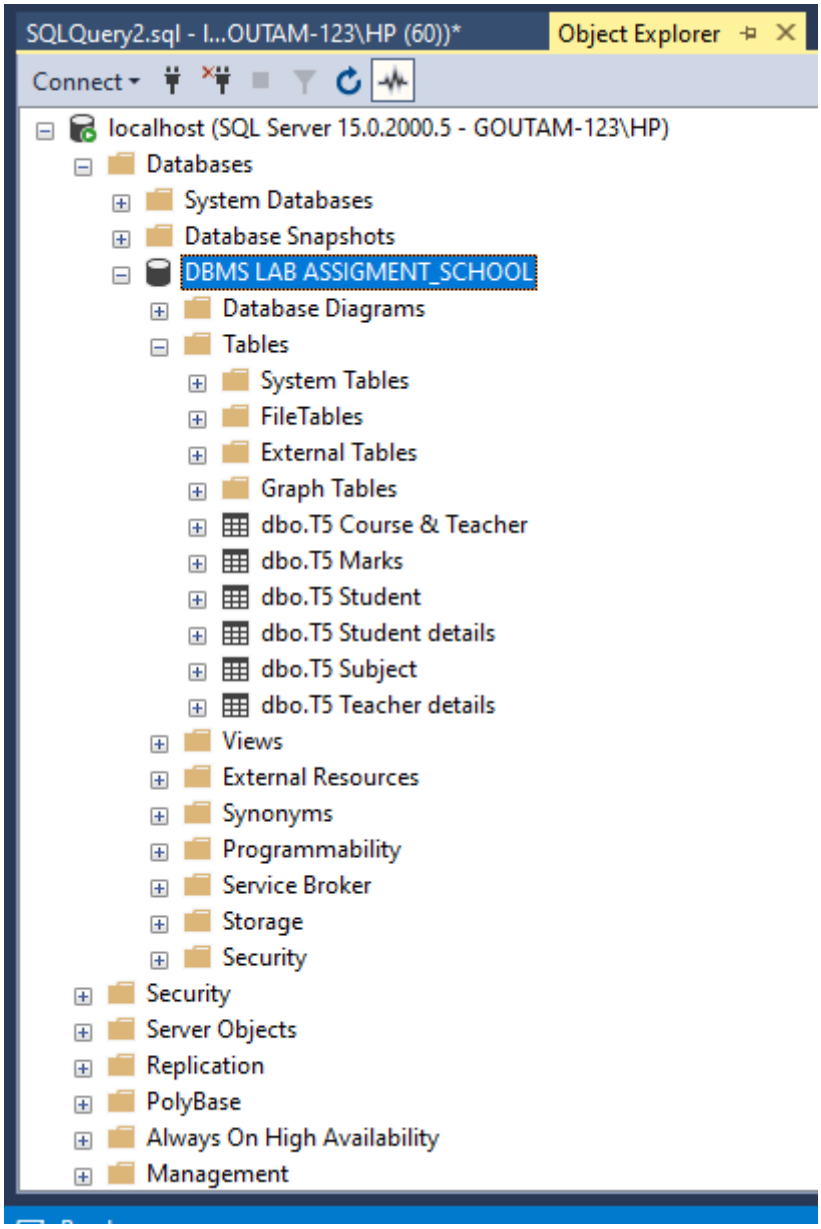
Output:



4)Query to drop the table:

```
DROP TABLE T5_Grades;
```

Output:



5)Show how to check the schema of the tables

&

6)Show all the tables from the database

Query:

```
SELECT * FROM INFORMATION_SCHEMA.TABLES
```

Output:

Results | Messages

	TABLE_CATALOG	TABLE_SCHEMA	TABLE_NAME	TABLE_TYPE
1	DBMS LAB ASSIGMENT_SCHOOL	dbo	T5 Student	BASE T
2	DBMS LAB ASSIGMENT_SCHOOL	dbo	T5 Student details	BASE TABLE
3	DBMS LAB ASSIGMENT_SCHOOL	dbo	T5 Subject	BASE TABLE
4	DBMS LAB ASSIGMENT_SCHOOL	dbo	T5 Course & Teacher	BASE TABLE
5	DBMS LAB ASSIGMENT_SCHOOL	dbo	T5 Teacher details	BASE TABLE
6	DBMS LAB ASSIGMENT_SCHOOL	dbo	T5 Marks	BASE TABLE
7	DBMS LAB ASSIGMENT_SCHOOL	dbo	sysdiagrams	BASE TABLE

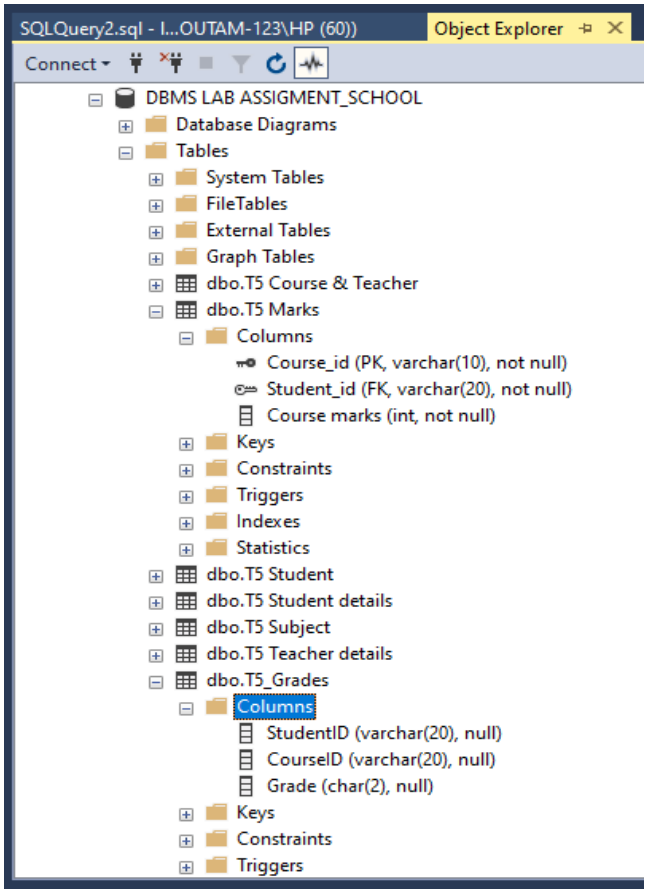
Click to select the whole column

7)Create table using select statement

Query:

```
SELECT * INTO T5_Grades FROM [T5 Marks];
```

Output:

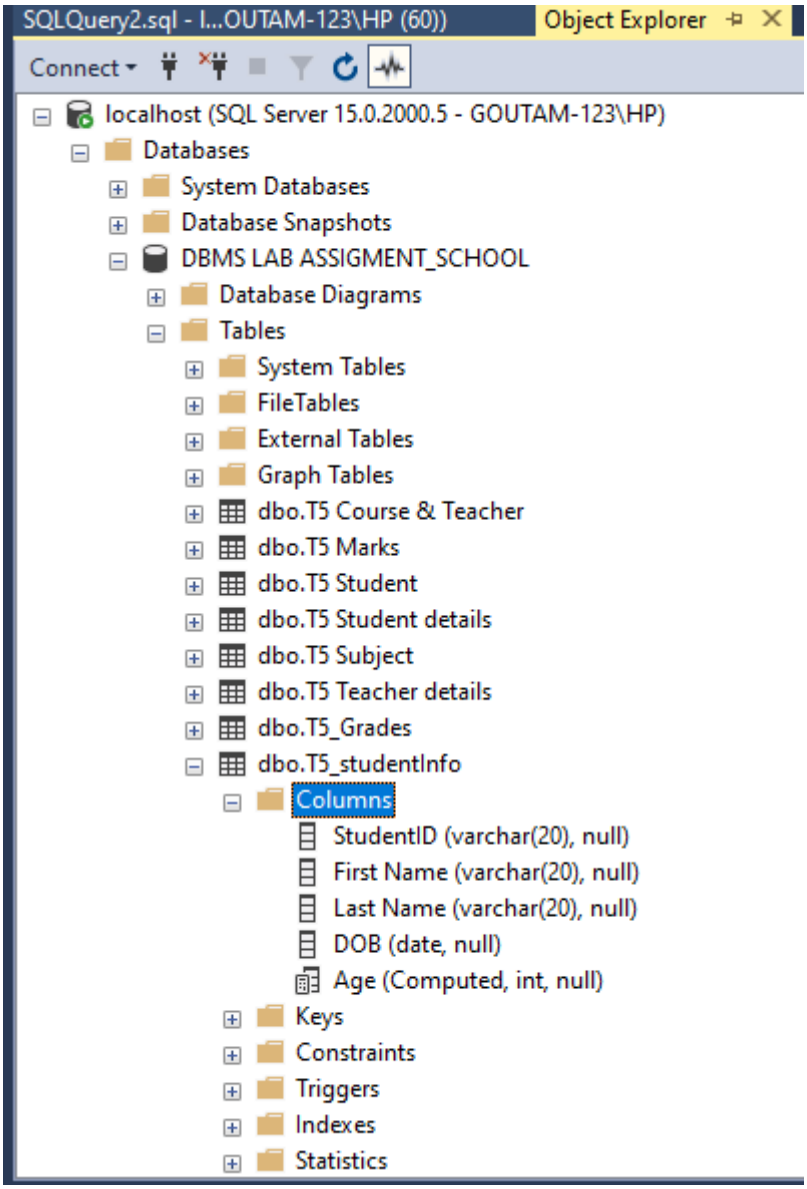


8)create a table which has derived attribute

Query:

```
CREATE TABLE T5_studentInfo(
StudentID varchar(20),
[First Name] varchar(20),
[Last Name] varchar(20),
DOB date,
Age AS (DATEDIFF(YEAR, DOB, GETDATE()))
)
```

Output:

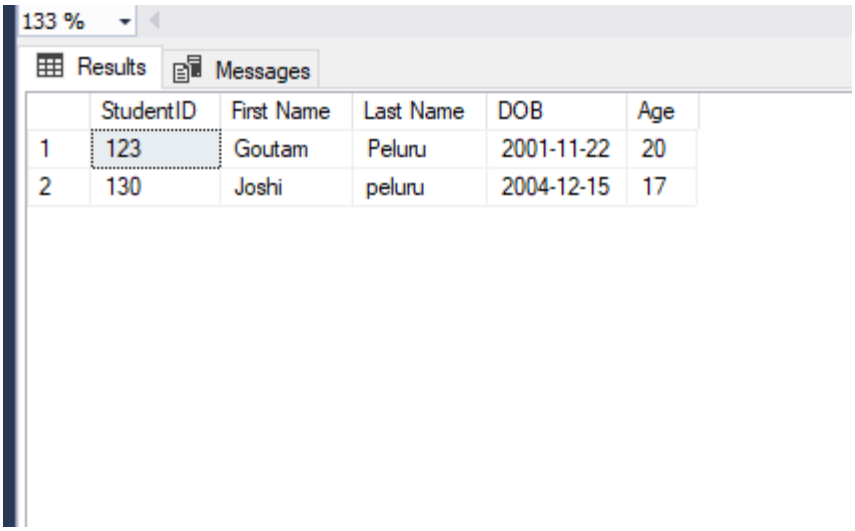


Query to insert the values:

Query:

```
INSERT INTO T5_studentInfo VALUES(123, 'Goutam', 'Peluru', '2001-11-22')
INSERT INTO T5_studentInfo VALUES(130, 'Joshi', 'peluru', '2004-12-15')
SELECT * FROM T5_studentInfo
```

Output:



	StudentID	First Name	Last Name	DOB	Age
1	123	Goutam	Peluru	2001-11-22	20
2	130	Joshi	peluru	2004-12-15	17